

Notice of Allowability

Application No.

10/791,048

Examiner

Yuriy Semenenko

Applicant(s)

LANDEROS ET AL.

Art Unit

2841

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 09/10/2007.
2. ☒ The allowed claim(s) is/are 1-10 and 29-46.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

DETAILED ACTION

Response to Amendment

1. Amendment filed on 09/10/2007 has been entered.

In response to the Office Action dated 04/26/2007, Applicants have amended claims 1, 31 and 41.

Claims 11-28 has been cancelled.

Claims 1-10 and 29-46 are now pending in the application.

Examiner's Amendment

2.1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Thierry K. Lo (Reg. No. 49,097) on November 07, 2007.

2.2. The claims 1, 31 and 41 are amended as follows:

Claim 1, line 10: (Amended)

...edge forming an obtuse angle directed against a flow of the fluid flow barrier.

Claim 31, line 10: (Amended)

...recess, the edge forming an obtuse angle directed against a flow of the fluid flow barrier.

Claim 41, line 13: (Amended)

...edge forming an obtuse angle directed against a flow of the fluid flow barrier.

Allowed Claims

3.1. Claims 1-10 and 29-46 are allowed.

3.2. The following is a statement of reasons for the indication of allowance of claim 1:

Limitations "the underfill material stopping at or near an edge of the recess, the edge forming an obtuse angle directed against a flow of the fluid flow barrier" in combination with other claimed limitations in independent claim 1 are not disclosed or suggested by the prior art of record.

Claims 2-10, 29 and 30 are directly dependent upon claim 1.

3.3. The following is a statement of reasons for the indication of allowance of claim 31:

Limitations "the underfill material stopping at or near an edge of the recess, the edge forming an obtuse angle directed against a flow of the fluid flow barrier" in combination with other claimed limitations in independent claim 1 are not disclosed or suggested by the prior art of record.

Claims 32-40 are directly dependent upon claim 31.

3.4. The following is a statement of reasons for the indication of allowance of claim 41:
Limitations " the underfill material stopping at or near an edge of the recess, the edge forming an obtuse angle directed against a flow of the fluid flow barrier" in combination with other claimed limitations in independent claim 1 are not disclosed or suggested by the prior art of record.

Claims 42-46 are directly dependent upon claim 41.

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Yuriy Semenenko whose telephone number is (571) 272-6106. The examiner can normally be reached on 8:30am - 5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Diego F. F. Gutiérrez can be reached on (571)- 272-2245. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



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TUAN T. DINH
PRIMARY EXAMINER

11/10/07.